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| **AUTOMATIC ORBITAL WRAPPING MACHINE FV350/250** |
| **Automatic machine for horizontal packaging with stretchfilm.** |
| **neleo50.jpg** |
| **Applications:**  Packaging, grouping and protection with stretchfilm products like furniture, doors,  timber boards, windows, frames, etc. |
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| **Working process:**  Product arrives automatically until the ring of the wrapping machine  through an infeed driven conveyor; the electrical photocell detects the  product and the machine wraps it with stretchfilm. Finally, an outfeed driven  conveyor belt push out the product fully wrapped. |
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| **Standard equipment:**   * Steel frame, painted in grey and base in blue colour * Ring assembled in the frame, painted in yellow colour. * Double reel dispenser head; allows to wrap with two   reels of stretchfilm for a reinforced wrapping and faster  packaging or to wrap with one reel for a simple wrapping; ready to  use reels of different width.   * Adjustable stretchfilm tension to fit it to the product. * Fast changing reels without tools and with self-fixing system. * Double automatic stretchfilm clamp and cutter system for two reels. * Automatic stretchfilm threading for reel changing. * Stopping system to place the reel dispenser head in the exact position for reel changing. * Adjustable extra wrapping laps in both ends of the product for a higher protection. * Ring speed controller (driver included) to adjust the stretchfilm overlap onto the product. * Touch colour screen to program and adjust the machine to the specifications of the product to be wrapped with: Extra wrapping laps in the ends of the product, stretchfilm threading, 6 wrapping programs, warning messages, reels change, only ends wrapping, 6 languages programs, presses on/off, infeed top press up time control, outfeed top press down time control and conveyors stopping time. * Wrapping programs (6): standard program (wrapping from end to end of the product), bundling program (to wrap product ends only) and four programs else to be issued by the user. * Backwards conveyors selector and selector product goes through the ring but without wrapping; this option is used in machines which are set up in automatic lines where some products do not need to be wrapped. * Variable driven conveyors speed to control the wrapping speed or to adjust stretchfilm overlap onto the product. * Electrical photocell to start the wrapping cycle. * Device that unable the machine to work while changing the reel for worker safety. * Ring driver system through trapezoidal belt of low maintenance and wear. * Control panel and electrical box with: Master switch, power light, warning light, start button, reset button ring speed control, conveyors speed control, emergency stop and touch screen. * Tower lights to inform status of orbital wrapper. * Steel packaging around the frame base for transport. * Machine certificate meeting CE safety standards (2006/42/CE, 2004/42/CE & 93/68/CEE). |

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| **Optional Accessories:**   * Infeed & outfeed top pressers - manual fitting. * Infeed & outfeed top pressers - automatic fitting. * Rollers side guide - manual fitting. * Driven conveyor belt W55 x L39 in (other dimensions also available). * Driven conveyor metal rollers W55 x L39 (other dimensions also available). * Driven conveyor chain W55 x L39 (other dimensions also available). * Driven conveyor belt with pneumatic lift to place corners W39 x L98.5 in. * Driven conveyor metal rollers "V" shape W47 x L157.5 in. * Gravity rollers conveyor + tilters system to place product from vertical to horizontal W47 x L59 in. * Table with driven rollers (3) in triangle with pneumatic lift to wrap round products. * Table with driven (2) in parallel to wrap round products. * Hydraulic lift table to centre conveyor belt/rollers vs. ring. * Short products bridge < 23.5 in. * Driven conveyor belts (bridge) for short products W45 x L23.5 in. * Wooden/porex blocks automatic dispenser (includes driven conveyor for short products W45 x L23.5 in). * Warning of reel end. * Safety fences + safety kit. * Remote technical assistance (via Ethernet). * No standard machine colour. * Seafreight wooden crate. * Seafreight wooden box. * Manual bubblewrap top dispenser (integrated on machine) for reel up to 63 in. * Manual bubblewrap floor dispenser for reel up to 63 in. * Automatic top & bottom bubblewrap reel dispenser up to W63 in   Includes:   * + Welding bar by electrical resistances to join the ends of the top and bottom bubblewrap reels.   + Welding temperature control to adjust the temperature depending on the bubblewrap thickness.   + Top and bottom bubblewrap reel dispenser; top reel to cover top side product length and bottom reel to cover bottom side product length.   + Electrical photocell to start automatically the wrapping cycle.   + Driven feeding of top and bottom bubblewrap reels, to avoid product pulls directly from them.   + Selector to cancel the automatic dispenser and to allow machine wrapping with stretchfilm only.   + Tower lights to inform status of dispenser. | | | | | | |
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|  | | | \* Mod. with conveyor belts (optional)  automatic top presses (optional)  and automatic bubble wrap dispenser (optional). | | | |
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| **Technical specifications:** | | | | | | |
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| Product to wrap sizes: | | | | | | |
| * Maximum / minimum length | | | : Unlimited / 23.5 in (15.7 in with bridge). | | | |
| * Other sizes | | | : Check with graphic. | | | |
| * Minimum sizes | | | : 23.5 x 23.5 x 23.5 in.(L) | | | |
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| Recommended conveyor belt specifications: | | | | | | |
| * Useful width | | | : 55 in. | | | |
| * Length | | | : 39 in. | | | |
| * Working height | | | : Adjustable. | | | |
| * Engine | | | : 0.496 hp.\* | | | |
| * Lineal speed | | | : From 10 fpm. up to 33 fpm. | | | |
| * Max. weight to convey | | | : 165 lb / lineal meter. | | | |
| (\*) Speed inverter for inner driven conveyor 1 hp. and exit driven conveyor 1 hp. | | | | | | |
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| Electrical equipment: | | | |  |  | |
| * Engine | | : 4 hp. | |
| * Power supply | | : 400V III+N. | |
| * Manoeuvre | | : 24V c.c. | |
| * Power consumption | | : 2.27 hp | |
| * Ring rotation speed | | : From 5 to 45 rpm. | |
| * Speed inverters | | : Fuji. | |
| * Programmable PLC | | : Omron. | |
| * Pneumatic pressure | | : 6 bars. | |
| * Compressed air consumption | | : 45 liters/cycle. | |
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| Stretchfilm reel specifications: | | | |
| * Width | : 10, 6.5 or 4 in. | | |
| * Thickness | : 90,120,140 or 200 gauge. | | |
| * External / internal Ø | : 9 / 1.5 in. | | |
| * Colours | : Transparent / opaque. | | |
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| Installed machine sizes | | | : Check attached drawing. | | | |
| Packed machine sizes | | | : 12.5 x 5 x 11 ft. – 2866 lb. | | | |
| Packed film reels sizes | | | : 3.3 x 3.9 x 6 ft. – 1726 lb. | | | |
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| **Technical specifications with automatic bubble wrap / polyethylene dispenser (optional)** | | | | | | |
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| Electrical equipment: | | | | | | |
| * Engine | | | : 5.42 hp. | | | |
| * Power consumption | | | : 2.61 hp. | | | |
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| Welding bar: | | | | | | |
| * Width | | | : 83 in. | | | |
| * Electrical resistances | | | : 10 units. | | | |
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| Bubble wrap / Polyethylene reel specifications: | | | | | | |
| * Type | | | : Triple layer reel | | |  |
| * Width | | | : 71 in. | | | / 71 in. |
| * Length | | | : 492 ft. | | | / 1312 ft. |
| * Ø external | | | : 31.5 in. | | | / 12 in. |
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| Installed machine sizes | | | : Check attached drawing. | | | |
| Packed machine sizes | | | : 12.5 x 5 x 11 ft. – 2866 lb. / 7.5 x 6.25 x 8 – 1984 lb. | | | |
| Packed film reels sizes | | | : 3.3 x 3.9 x 6 ft. – 1726 lb. | | | |